

# VEHICLE REGENERATIVE BRAKING SYSTEM WITH SYSTEM MONITOR AND REDUNDANT CONTROL CAPABILITY

## Abstract

A system for providing regenerative and friction braking in a vehicle includes a brake controller for determining a desired rate of deceleration from sensor outputs which are responsive to inputs from an operator of a vehicle and a regenerative braking system operatively connected with the brake controller. A brake monitor receives the sensor inputs from the operator of the vehicle and determines an audit range of deceleration for the vehicle. If the audit range of deceleration of the vehicle is not subsequently sensed, the vehicle's driver will be alerted.